



December 1, 2020

Federal Communications Commission
Wireline Competition Bureau

**Re: WC Docket No. 20-68, Charter Communications Exemption from Caller ID
Authentication Requirements on IP Networks**

Pursuant to 47 CFR § 64.6306(a), I hereby certify that Charter Communications, Inc.'s ("Charter") voice service provider subsidiaries qualify for exemption from the requirements of 47 CFR § 64.6301 in Charter's Internet Protocol ("IP") networks. Charter:

- (1) has adopted the STIR/SHAKEN authentication framework for calls on its Internet Protocol networks by completing the network preparations necessary to deploy the STIR/SHAKEN protocols on its network by completion of commensurate network adjustments to enable the authentication and validation of calls on its network consistent with the STIR/SHAKEN framework;
- (2) has agreed voluntarily to participate with other voice service providers in the STIR/SHAKEN authentication framework, as demonstrated by completing formal registration (including payment) and testing with the STI Policy Administrator;
- (3) has begun to implement the STIR/SHAKEN authentication framework by completing the necessary network upgrades to at least one network element to enable the authentication and verification of caller identification information consistent with the STIR/SHAKEN standards; and
- (4) will be capable of fully implementing the STIR/SHAKEN authentication framework not later than June 30, 2021, because Charter reasonably foresees that it will have completed all necessary network upgrades to its network infrastructure to enable the authentication and verification of caller identification information for all SIP calls exchanged with STIR/SHAKEN-enabled partners by June 30, 2021.

I hereby certify that I have personal knowledge that Charter Communications meets each of the foregoing criteria and certify that the following Statement of Support is accurate.

By: 

Name: Magesh Srinivasan

Title: EVP, Network Operations

Date: December 1, 2020

STATEMENT IN SUPPORT OF CERTIFICATION

1. Charter has satisfied the first criterion by modifying or replacing the following hardware and software in its Internet Protocol networks:

Session Border Controllers, Call Agents, Media Gateways, and the Metaswitch STIR/SHAKEN solution

2. Charter's identification as an authorized service provider is available on the Policy Administrator's website at <https://authenticate.iconectiv.com/authorized-service-providers-authenticate>.
3. Charter completed implementation of the STIR/SHAKEN framework throughout its voice core network in December 2019. Specifically, Charter has installed Metaswitch "Q Call" STIR/SHAKEN technology within Charter's voice core network, and is integrating the STIR/SHAKEN call flows within the call routing architecture of Charter's voice core network. These technology implementations enable the signing of Charter-originated calls, as well as the verification of inbound calls to Charter's network.
4. Charter has completed all necessary upgrades to its network infrastructure and has fully completed implementation of STIR/SHAKEN across its IP networks. Charter's network is currently prepared to exchange caller identification information for all SIP calls exchanged with STIR/SHAKEN-enabled partners. Charter began exchanging STIR/SHAKEN-authenticated SIP traffic with direct peering partners Comcast and Altice in December 2019, and Charter is finalizing an additional STIR/SHAKEN-authenticated SIP traffic peering arrangement with T-Mobile, which will be completed in December 2020. Charter also continues to work with the Policy Administrator and other participating providers, including conducting testing with its transit IP partners (e.g., Inteliquent), to expand the reach of STIR/SHAKEN-enabled authentication benefits by June 30, 2021.